



WILLIAM T. PECORA AWARD

Fawwaz T. Ulaby

**For outstanding and sustained scientific, engineering, educational,
and professional leadership in radar remote sensing**

Dr. Fawwaz T. Ulaby is one of the pioneers and leading authorities in the field of radar remote sensing. His research over the past 30 years provides the foundation underlying the current theory and practice of radar remote sensing and is regarded as a reference standard throughout the world. He has immensely advanced our understanding of the connection between the scattering of microwave energy by terrain and the terrain's physical properties (e.g., soil moisture, vegetation structure, and snow water content), thus enabling extraction of useful geoscientific information from radar imagery.

Dr. Ulaby has authored more than 320 scientific journal articles, technical papers, and book chapters, and has delivered more than 330 symposium papers and presentations. He has trained and graduated more than 100 Masters and Ph.D. students, and his students recognize him as an exceptional teacher. In the course of his teaching career, he developed nine new courses at the University of Kansas and seven at the University of Michigan. Recently, Dr. Ulaby founded the Center for Space Terahertz Technology at the University of Michigan to focus on millimeter and infrared wavelengths.

Dr. Ulaby's leadership within The Institute of Electrical and Electronics Engineers (IEEE) changed the face of its Geoscience Electronics Society. During his tenure as President of that society (1979-1981), he first broadened its scope to incorporate remote sensing (as reflected in the name change to IEEE Geoscience and Remote Sensing Society) and then initiated in 1981 the International Geoscience and Remote Sensing Symposium (IGARSS) series. He served IEEE in other roles, including Executive Editor of the IEEE-GRS Transactions, Distinguished Lecturer, General Chairman of IGARSS, and Board member. Dr. Ulaby has served on many technical committees, including the Joint U.S.-Japan Commission on Microwave Remote Sensing and Science Teams for space missions, including the Shuttle Imaging Radar-B and -C and European Remote Sensing satellite (ERS-1) Synthetic Aperture Radar.

In recognition of these accomplishments, the National Aeronautics and Space Administration and the Department of the Interior take great pleasure in presenting the 2000 William T. Pecora Award to Dr. Fawwaz T. Ulaby.

Administrator
National Aeronautics and Space Administration

Secretary of the Interior